

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 1/22/02 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or

Color (3 sets required).

☐ Color drawings are not acceptable until petition is granted. Fig(s) _____☐ Pencil and non black ink not permitted. Fig(s) _____**2. PHOTOGRAPHS.** 37 CFR 1.84(b)☐ 1 full-tone set is required. Fig(s) _____☐ Photographs may not be mounted. 37 CFR 1.84(e)☐ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____☐ Poor quality (half-tone). Fig(s) _____**3. TYPE OF PAPER.** 37 CFR 1.84(e)☐ Paper not flexible, strong, white, and durable. Fig(s) _____☐ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____**4. SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:☐ 21.0 cm by 27.9 cm (DIN size A4) or☐ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)☐ All drawing sheets not the same size.☐ Sheet(s) _____☐ Drawings sheets not an acceptable size. Fig(s) _____**5. MARGINS.** 37 CFR 1.84(g): Acceptable margins:☐ Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm☐ Margins not acceptable. Fig(s) _____☐ Top (T) _____ Left (L) _____☐ Right (R) _____ Bottom (B) _____**6. VIEWS.** 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

☐ Views not labeled separately or properly. Fig(s) _____**7. SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)☐ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____**8. ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)

☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

☐ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

☒ Lines, numbers & letters not uniformly thick and well defined, clear, durable and black (poor line quality). Fig(s) 1-14

11. SHADING. 37 CFR 1.84(m)☐ Solid black areas pale. Fig(s) _____☐ Solid black shading not permitted. Fig(s) _____**12. NUMBERS, LETTERS, & REFERENCE****CHARACTERS.** 37 CFR 1.84(p)☐ Numbers and reference characters not plain and legible. Fig(s) _____☐ Figure legends are poor. Fig(s) _____☐ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____☐ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____☐ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____**13. LEAD LINES.** 37 CFR 1.84(q)☐ Lead lines missing. Fig(s) _____**14. NUMBERING OF SHEETS OF DRAWINGS.**

37 CFR 1.84(t)

☐ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____**15. NUMBERING OF VIEWS.** 37 CFR 1.84(u)☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____**16. DESIGN DRAWINGS.** 37 CFR 1.152☐ Surface shading shown not appropriate. Fig(s) _____☐ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____**COMMENTS:**

-Fig 1-14 need to be reproduced for clarity
WJ

Reviewer _____

If you have questions, call (703) 305-8404.

Date 12/1/03

Attachment to Paper No. _____